

From the INTERNATIONAL SEARCHING AUTHORITY

To:				PCT				
	see form	PCT/ISA/220		WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis.</i> 1)				
				Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet)				
Applicant's or agent's file reference see form PCT/ISA/220				FOR FURTHER ACTION See paragraph 2 below				
International application No. PCT/JP2004/004346			International filing date (c 26.03.2004	Priority date (day/month/year) 31.03.2003				
	national Patent Clas 0K19/58, H01L51		both national classification	and IPC				
Applicant CANON KABUSHIKI KAISHA								
1.	This opinion contains indications relating to the following items: Box No. I Basis of the opinion							
3.	For further option		T/ISA/220. orm PCT/ISA/220.					
Name	and mailing addres	s of the ISA:		Authorized Officer	, and the land			

<u>)</u>

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JC20 Rec'd PCT/PTO 17 MAY 2005 International application No. PCT/JP2004/004346

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

_	Во	<u>x N</u>	o. I Basis of the opinion					
1.	Wit the	Vith regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.						
		This opinion has been established on the basis of a translation from the original language into the followin language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).						
2.	Wit	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
	a. type of material:							
	[a sequence listing					
	[table(s) related to the sequence listing					
	b. format of material:							
	(in written format					
	[in computer readable form					
	c. time of filing/furnishing:							
	[_	contained in the international application as filed.					
	[filed together with the international application in computer readable form.					
	[)	furnished subsequently to this Authority for the purposes of search.					
3.	<u> </u>	cop	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto is been filed or furnished, the required statements that the information in the subsequent or additional poles is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.					
4.	Additional comments:							

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International application No. PCT/JP2004/004346

	Box No. II	Priority							
The following document has not been furnished:									
	☐ copy of the earlier application whose priority has been claimed (Rule 43 <i>bis</i> .1 and 66.7(a)).								
	☐ translation of the earlier application whose priority has been claimed (Rule 43 <i>bis</i> .1 and 66.7(b))								
	Consequently it has not been possible to consider the validity of the priority claim. This opinion nevertheless been established on the assumption that the relevant date is the claimed priority								
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.								
3.	. Additional observations, if necessary:								
		•							
	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1.	Statement								
	Novelty (N)	Yes: No:	Claims Claims	1-10				
	Inventive s	step (IS)	Yes: No:	Claims Claims	1-10	·			
	Industrial a	applicability (IA)	Yes: No:	Claims Claims	1-10				
2.	Citations a	and explanations							
	see separa	ate sheet							

Re Item V.

- 1 The following documents are referred to in this communication:
 - D1: ITO, SATOSHI ET AL: "A new synthesis of [2,3]naphthoporphyrins" CHEMICAL COMMUNICATIONS (CAMBRIDGE), (11), 893-894 CODEN: CHCOFS; ISSN: 1359-7345, 2000, XP002288611
 - D2: EP 0 921 579 A (LUCENT TECHNOLOGIES INC) 9 June 1999 (1999-06-09)
 - D3: EP 0 917 216 A (LG ELECTRONICS INC) 19 May 1999 (1999-05-19)
- 2 Novelty
- 2.1 D1 discloses the retro diels alder path to compounds used as a layer in the FET devices of the present set of claims in general. No FET device or its preparation is disclosed.
- 2.2 D2 and D3 disclose the use of porphyrin compounds as layers in transistors. However the particular compounds according to claims 3-10 are not disclosed in this context.
 - Hence the subject matter of claims 1-10 is novel over the prior art.
- 3 Inventive Step
- 3.1 None of the documents teaches the use of the particular porphyrins as specified in the claims in the context of an FET device, nor hints at the preparation of such.
 - Hence the subject matter of claims 1-10 is also inventive over the prior art.